

Interview Summary	Application No.	Applicant(s)	
	09/280,518	FUJIWARA, KENSUKE	
	Examiner	Art Unit	#9 10
	David Yockey	2861	

All participants (applicant, applicant's representative, PTO personnel):

(1) Michael A. Makuch, Esq. (Applicant's Rep.) (3) _____

(2) David Yockey (Examiner) (4) _____

Date of Interview: 24 May 2001.

Type: a) ☐ Telephonic b) ☐ Video Conference
c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description:

Claim(s) discussed: 1 and 2.

Identification of prior art discussed: Admitted Prior Art (Application Figs. 5 and 6) and Arevalo (US 6,104,986).

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☐ It is not necessary for applicant to provide a separate record of the substance of the interview(if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.



**DAVID F. YOCKEY
PRIMARY EXAMINER**

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Discussed proposed changes to claims 1 and 2 (see attached sheets). Mr. Yockey indicated that the claim amendments appear to overcome the rejection under 35 USC 112, first paragraph. With respect to the prior art, Mr. Makuch indicated that the range of intervals is not intended to be narrowed to the extent that the target potential would be missed (as indicated in the attached drawing); however, Mr. Yockey indicated that the support for this concept could not be found in the original disclosure.

SMITH, GAMBRELL & RUSSELL, LLP
1850 M STREET, NW - SUITE 800
WASHINGTON, DC 20036
TEL.: (202) 659-2811 -- FAX.: (202) 263-4329

FACSIMILE TRANSMISSION COVER LETTER

DATE : May 23, 2001
TO : Examiner David F. Yockey
Art Unit 2861
FAX NO. : 703 / 308 5841
FROM : Michael A. Makuch, Esq.
YOUR FILE : U.S. Serial No. 09/280,518
OUR FILE : 32739 M 008

TOTAL NUMBER OF PAGES (including this page) : = 5 =

If there is any problem with this transmission, please call us at (202) 659-2811.

MESSAGE :

For your review, draft amended claims 1 and 2 in 09/280,518

CONFIDENTIALITY

This facsimile message may contain information which is legally privileged and confidential. It is intended only for the use of the recipient named above. If you are not the intended recipient, we emphasize that any dissemination, distribution or copying of this document or its contents is strictly prohibited. If you have received this in error, please notify us immediately by telephone, and return the original document to us via the United States Postal Service.

1. (Three Times Amended) A laser intensity adjusting method of adjusting a maximum intensity of a laser exposure mechanism for irradiating laser light to a surface of a photoreceptor to which a uniform potential is being given by a corona discharger, the method comprising:

a first potential detecting step including the steps of (i) [exposing photoreceptor surface portions to laser lights of] obtaining a first plurality of laser [intensities, obtained] intensity values by dividing a predetermined laser intensity value [into] by a first plurality of selected values such that said intensity values of said first plurality thereof increase from an initial value to said predetermined intensity value according to a first [intervals, and] interval, (ii) respectively exposing a surface portion of said photoreceptor surface with a laser light having an intensity corresponding to each of said first plurality of intensity values to provide exposed photoreceptor surface portions, and (iii) detecting [potentials] the potential of [the] each of said exposed photoreceptor surface portions [exposed to the laser lights of the plurality of laser intensities, wherein] whereby each of said potentials corresponds to one of said [plurality of] laser intensities corresponding to said first plurality of intensity values;

a second potential detecting step including the steps of (i) obtaining a second plurality of laser intensity values by dividing [the] said predetermined laser intensity value [into a plurality of second intervals so as to set a plurality of laser intensities, wherein] by a second plurality of selected values such that said intensity values of said second plurality thereof increase from an initial value to said predetermined intensity value according to a second interval, said second

Draft - Do Not Enter

Draft - Do Not Enter

[plurality of intervals are] interval being smaller than said first [plurality of intervals] interval,
[and] said [plurality of laser intensities are in a range including a] laser intensity values of said
second plurality being selected to be close to a laser intensity value corresponding to [a] one
selected potential selected from the potentials detected [at the] during said first potential
detecting step, [and wherein the] said one selected potential [is] being closest[, out of the
potentials detected at the first potential detecting step,] to a predetermined set potential, (ii)
respectively exposing a surface portion of said photoreceptor surface with laser light having an
intensity corresponding to each of said second plurality of intensity values to provide exposed
photoreceptor surface portions [to laser lights of the plurality of laser intensities thus set], and
(iii) detecting [potentials] the potential of [the] each of said exposed photoreceptor surface
portions [exposed to the laser lights of the plurality of laser intensities]; and

a step of (i) repeating [the] said second potential detecting step until there is obtained a
potential equal to or substantially equal to [the] said predetermined set potential, and (ii) setting,
as [the] said maximum intensity, [the] a laser intensity corresponding to [the] said potential thus
obtained[,

wherein the plurality of laser intensities in the first potential detecting step are set within a
range that is narrower than a full range from zero to the predetermined laser intensity value, and
wherein an optimal maximum intensity lies within said full range].

2. (Three Times Amended) A laser intensity adjusting method of adjusting a maximum intensity of a laser exposure mechanism for irradiating laser light to a surface of a photoreceptor to which a uniform potential is being given by a corona discharger, the method comprising:

a first potential detecting step including the steps of (i) [exposing photoreceptor surface portions to laser lights of a] obtaining a first plurality of laser [intensities set at first intervals, and] intensity values that increase from an initial value to a predetermined value according to a first interval. (ii) exposing a surface portion of said photoreceptor surface with laser light having an intensity corresponding to each of said first plurality of intensity values to provide exposed photoreceptor surface portions, and (iii) detecting [potentials] the potential of [the] each of said exposed photoreceptor surface portions [exposed to the laser lights of the plurality of laser intensities];

a second potential detecting step including the steps of (i) obtaining a second plurality of laser intensity values that increase from an initial value to a predetermined value according to a second interval, said second interval being smaller than said first interval. (ii) respectively exposing a surface portion of said photoreceptor surface with laser light having an intensity corresponding to each of said second plurality of intensity values to provide exposed photoreceptor surface portions [to laser lights of a plurality of laser intensities which are set, at second intervals smaller than the first intervals and are in a range including a laser intensity with which there has been detected, at the first potential detecting step, a potential which is closest, out of the potentials detected at the first potential detecting step, to a predetermined set

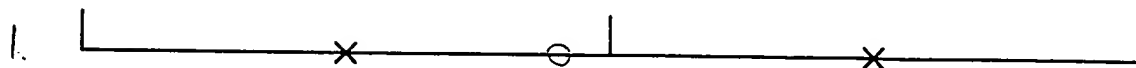
potential], and (ii) detecting [potentials of] the potential of each of said exposed photoreceptor surface portions [exposed to the laser lights of the plurality of laser intensities]; and

a step of setting, as [the] a maximum intensity of the laser exposure mechanism, a laser intensity with which there has been detected, at [the] said first or said second potential detecting step, a potential equal to or substantially equal to [the] a predetermined set potential,

wherein [the plurality of laser intensities in the first potential detecting step are set within a range that is narrower than a full range from zero to a predetermined laser intensity value, and wherein an optimal maximum intensity lies within said full range] said second potential detecting step is repeated until there is obtained a potential equal to or substantially equal to [the] said predetermined set potential, and said laser intensities corresponding to said second plurality of intensity values are selected to be close to a laser intensity value corresponding to a potential detected during said first potential detecting step as closest to said predetermined set potential.

< Arevalo >

Laser Intensity
→



< Applicant's Invention >

